



AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A magnetic encoder comprising:
a magnet portion substantially in a circular ring shape magnetized in mutlipoles in a circumferential direction, wherein
the magnet portion includes a magnetic member and a thermoplastic resin.
2. (Currently Amended) The magnetic encoder according to Claim 1, wherein
the thermoplastic resin is includes at least a thermoplastic resin having a soft segment in a molecule.
3. (Currently Amended) The magnetic encoder according to Claim 2, wherein
the thermoplastic resin ~~includes a thermoplastic resin at least having a soft segment in a molecule~~ having a soft segment in a molecule is a block copolymer having a hard segment comprising polyamide and a soft segment of polyether component, and is mixed with at least one kind of normal polyamide selected from a group of polyamide 12, polyamide 11 and polyamide 612.
4. (Currently Amended) The magnetic encoder according to Claim 1, further comprising:
a fixed member ~~including~~ made of a magnetic material attached with the magnet portion, wherein,
the magnet portion and the fixed member are bonded by an adhering agent including at least one of a phenole resin based and an epoxy resin based.
5. (currently amended) The magnetic encoder according to Claim 2 ~~4~~ wherein at least a bonding face of the fixed member to the magnet portion is subject to a roughening treatment ~~formed by injection molding.~~

6. (Currently Amended) The magnetic encoder according to Claim 5 1, wherein the magnet portion is formed by injection molding is of a disk gate type.

7. (currently amended) ~~A bearing~~ The magnetic encoder according to claim 6,
further comprising:

a fixed member including a magnetic material attached with the magnet portion, wherein
ring,

a rotating ring,

a plurality of rolling members rollably arranged in a circumferential direction between
the fixed ring and the rotating ring, and

a plurality of rolling members rollably arranged in a circumferential direction between
the fixed ring and the rotating ring, and

the magnetic encoder according to any one of Claims 1 through 6 in which the fixed
member is fixed to the rotating ring

the magnetic portion and the fixed member are bonded by an adhering agent in which
curing reaction is progressed in the injection molding.

8. (currently amended) The magnetic encoder ~~bearing~~ according to Claim 6 ~~[[7]]~~,
wherein the injection molding is of a disk gate type ~~bearing is a bearing for a wheel.~~

9. (new) A bearing, comprising:

the magnetic encoder according to claim 1.

10. (new) A bearing comprising:

the magnetic encoder according to Claim 2.

11. (new) A bearing, comprising:

the magnetic encoder according to Claim 3.

12. (new) The bearing according to Claim 9, wherein the baring is a bearing for a wheel.

13. (new) The bearing according to Claim 10, wherein the bearing is a bearing for a wheel.

14. (new) The bearing according to Claim 11, wherein the bearing is a bearing for a wheel.